

## CHECKLIST TO DESIGNATE AREAS OF EVALUATION FOR PROPOSAL RESEARCH ADMINISTRATION ONLY

	REQUISITION NUMBER 2748	DUE DATE 05/13/19	TIME DUE noon est
MDOT PROJECT MANAGER Mike Wroblewski	JOB NUMBER (JN)	CONTROL SECTION (CS)	

**PROBLEM TITLE AND OR #**

OR19-056 Quantifying Effectiveness and Impacts of Digital Message Signs on Traffic Flow

**MDOT PROJECT MANAGER:** Check all items to be included in RFP.

**CONSULTANT:** Provide only checked items below in proposal When applicable, Best Value scoring criteria is listed separately in the RFP.

**\*\*Optional items are determined by the MDOT Project Manager.**

Check the appropriate Tier in the box below			
<input checked="" type="checkbox"/> TIER I (\$100,000 - \$250,000)	<input type="checkbox"/> TIER II (\$250,000-\$1,500,000)	<input type="checkbox"/> TIER III (>\$1,500,000)	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Understanding of Service
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Qualifications of Team
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Quality Assurance/Quality Control
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Location:</b> The percentage of work performed in Michigan will be used for all selections unless the project is for on-site inspection or survey activities, then location should be scored using the distance from the consultant office to the on-site inspection or survey activity.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Past Performance
20 pages (MDOT Forms not counted) Resumes will only be accepted for Best Value Selections.	20 pages (MDOT Forms not counted)	20 pages (MDOT forms not counted)	Total maximum pages for RFP <b>not including key personnel resumes</b> . Resumes limited to 2 pages per key staff personnel.

**PROPOSAL AND BID SHEET E-MAIL ADDRESS – [MDOT-RFP-Response@Michigan.gov](mailto:MDOT-RFP-Response@Michigan.gov)**

The Consultants will receive an e-mail reply/notification from MDOT when the proposal is received. Please retain a copy of this e-mail as proof that the proposal was received on time. Consultants are responsible for ensuring that MDOT receives the proposal on time.

\* Contact Contract Services Division immediately at 517-373-4680 if you do not get an auto response.

**GENERAL INFORMATION**

Any questions relative to the scope of services must be submitted by e-mail to [MDOT-Research@Michigan.gov](mailto:MDOT-Research@Michigan.gov). Questions must be received by the Project Manager at least five (5) working days prior to the due date and time specified above. All questions and answers will be placed on the MDOT website as soon as possible after receipt of the questions, and at least three (3) days prior to the RFP due date deadline. The names of vendors submitting questions will not be disclosed.

MDOT is an equal opportunity employer and MDOT DBE firms are encouraged to apply. The participating DBE firm, as currently certified by MDOT's Office of Equal Opportunity, shall be listed in the Proposal.

**MDOT FORMS REQUIRED AS PART OF PROPOSAL SUBMISSION**

**5100D** – Request for Proposal Cover Sheet

**5100J** – Consultant Data and Signature Sheet (Required for all firms performing non-prequalified services on this project.)

Schedule of Research Activities Form - Appendix B

Deliverables Table - Appendix A

Research Proposal Budget Form Worksheet Appendix C (Universities)

Or

Budget Exhibits required In [Priced Proposal Guidelines](#) (Consultants)

**(These forms are not included in the proposal maximum page count.)**

The Michigan Department of Transportation (MDOT) is seeking professional services for the project contained in the attached scope of services.

If your firm is interested in providing services, please indicate your interest by submitting a Proposal, Proposal/Bid Sheet or Bid Sheet as indicated below. The documents must be developed and submitted in accordance with the latest [http://www.Michigan.gov/documents/mdot/MDOT\\_Consultant\\_Vendor\\_Selection\\_Guidelines\\_for\\_Research\\_Administration\\_01-2013\\_408228\\_7.pdf](http://www.Michigan.gov/documents/mdot/MDOT_Consultant_Vendor_Selection_Guidelines_for_Research_Administration_01-2013_408228_7.pdf)

#### RFP SPECIFIC INFORMATION

☐ ENGINEERING SERVICES ☐ BUREAU OF TRANSPORTATION PLANNING ☒ OTHER

THE SERVICE WAS POSTED ON THE ANTICIPATED QUARTERLY REQUESTS FOR PROPOSALS

☒ NO ☐ YES DATED \_\_\_\_\_ THROUGH \_\_\_\_\_

☐ **Prequalified Services** – See the attached Scope of Services for required Prequalification Classifications.

☒ **Non-Prequalified Services** – If selected, the vendor must make sure that current financial information, including labor rates, overhead computations, and financial statements, is on file with MDOT's Office of Commission Audits. This information must be on file for the prime vendor and all sub vendors so that the contract will not be delayed. **Form 5100J is required with proposal for all firms performing non-prequalified services on this project.**

☐ **Qualification Based Selection** - Use Consultant/Vendor Selection Guidelines.

**For all Qualifications Based Selections**, the selection team will review the information submitted and will select the firm considered most qualified to perform the services based on the proposals. The selected firm will be asked to prepare a priced proposal. Negotiations will be conducted with the firm selected.

**For a cost plus fixed fee contract**, the selected vendor must have a cost accounting system to support a cost plus fixed fee contract. This type of system has a job-order cost accounting system for the recording and accumulation of costs incurred under its contracts. Each project is assigned a job number so that costs may be segregated and accumulated in the vendor's job-order accounting system.

☒ **Best Value** – Use Consultant/Vendor Selection Guidelines, See Bid Sheet Instructions below for additional information. The bid amount is a component of the total proposal score, not the determining factor of the selection.

#### BID SHEET INSTRUCTIONS

Bid Sheet(s) are located at the end of the Scope of Services. Submit bid sheet(s) with the proposal, to the email address: [MDOT-RFP-Response@Michigan.gov](mailto:MDOT-RFP-Response@Michigan.gov). Failure to comply with this procedure may result in your bid being rejected from consideration. MDOT reserves the right to reject any and all bids.

#### PARTNERSHIP CHARTER AGREEMENT

MDOT and ACEC created a Partnership Charter Agreement which establishes guidelines to assist MDOT and Consultants in successful partnering. Both the Consultant and MDOT Project Manager are reminded to review the [ACEC-MDOT Partnership Charter Agreement](#) and are asked to follow all communications, issues resolution and other procedures and guidance's contained therein.

☒ **The prime consultant can be a private or public university or business.** The prime consultant/vendor is responsible for the successful completion of the service and is expected to perform at least 40 percent of the services, by dollar value.

☐ **The prime consultant must be a Michigan university.** The prime consultant/vendor is responsible for the successful completion of the service and is expected to perform at least 40 percent of the services, by dollar value.

## **FINANCIAL REQUIREMENTS FOR NON-PREQUALIFIED VENDORS**

[http://www.michigan.gov/documents/mdot/Financial\\_Requirements\\_for\\_Non\\_Prequalified\\_Vendors\\_605817\\_7.pdf](http://www.michigan.gov/documents/mdot/Financial_Requirements_for_Non_Prequalified_Vendors_605817_7.pdf)

## **E-VERIFY REQUIREMENTS**

E-Verify is an Internet based system that allows an employer, using information reported on an employee's Form I-9, Employment Eligibility Verification, to determine the eligibility of that employee to work in the United States. There is no charge to employers to use E-Verify. The E-Verify system is operated by the Department of Homeland Security (DHS) in partnership with the Social Security Administration. E-Verify is available in Spanish.

The State of Michigan is requiring, under Public Act 200 of 2012, Section 381, that as a condition of each contract or subcontract for construction, maintenance, or engineering services that the pre-qualified contractor or subcontractor agree to use the E-Verify system to verify that all persons hired during the contract term by the contractor or subcontractor are legally present and authorized to work in the United States.

Information on registration for and use of the E-Verify program can be obtained via the Internet at the DHS Web site: <http://www.dhs.gov/E-Verify>.

The documentation supporting the usage of the E-Verify system must be maintained by each consultant and be made available to MDOT upon request.

It is the responsibility of the prime consultant to include the E-Verify requirement documented in this NOTIFICATION in all tiers of subcontracts.

## **DIGITAL SIGNATURE OF CONTRACTS**

On **January 1, 2018**, Contract Services Division intends to fully implement the use of CoSign as the exclusive software for digitally signing all consultant contracts and consultant contract related documents. All other digital signing methods will no longer be accepted.

Prior to using CoSign, all external partners must apply for a free digital signature user account by submitting a [MDOT Digital Signature Certificate Request Form](#).

## MDOT INSURANCE UPDATED 3.9.17

At a minimum, the insurance types and limits identified below, may be required from the selected consultant, prior to contract award.

Required Limits	Additional Requirements
<b>Commercial General Liability Insurance</b>	
<u>Minimal Limits:</u> \$1,000,000 Each Occurrence Limit \$1,000,000 Personal & Advertising Injury Limit \$2,000,000 General Aggregate Limit \$2,000,000 Products/Completed Operations	Consultants must have their policy endorsed to add "the State of Michigan, its departments, divisions, agencies, offices, commissions, officers, employees, and agents" as additional insureds
<b>Automobile Liability Insurance</b>	
<u>Minimal Limits:</u> \$1,000,000 Per Occurrence	
<b>Workers' Compensation Insurance</b>	
<u>Minimal Limits:</u> Coverage according to applicable laws governing work activities.	Waiver of subrogation, except where waiver is prohibited by law.
<b>Employers Liability Insurance</b>	
<u>Minimal Limits:</u> \$500,000 Each Accident \$500,000 Each Employee by Disease \$500,000 Aggregate Disease	
<b>Professional Liability (Errors and Omissions) Insurance</b>	
<u>Minimal Limits:</u> \$1,000,000 <b>Per Claim</b>	

The Insurer shall provide at least thirty (30) days written notice of cancellation. The Prime Consultant will be responsible to verify subconsultant(s) compliance with MDOT's insurance requirements.

# Michigan Department of Transportation

## SCOPE OF SERVICE FOR RESEARCH SERVICES

**TITLE:** Quantifying Effectiveness and Impacts of Digital Message Signs on Traffic Flow  
**OR#:** 19-056

**LOCATION:** Statewide

**WORK DESCRIPTION:** Research on Quantifying Effectiveness and Impacts of Digital Message Signs on Traffic Flow

**ANTICIPATED START DATE:** 11/5/2019

**ANTICIPATED COMPLETION DATE:** 12/31/2021

**The budget for this project cannot exceed:** \$243,302.40

### **MDOT RESEARCH PROJECT ADMINISTRATION MANAGER:**

**Mike Wroblewski**  
8885 Ricks Road  
Lansing, Michigan 48909  
E-MAIL: [mdot-research@michigan.gov](mailto:mdot-research@michigan.gov)

### **GENERAL INFORMATION:**

#### 1. PROBLEM TO ADDRESS

As MDOT continues to invest in the advancement of intelligent transportation systems, the use of different types of digital message signs for various applications, such as variable speed limit, real time travel delay information, detour options, queue warning signs, work zone signs, etc. remain prevalent. A significant budget is required to invest in the deployment, operation and maintenance on each of these technologies. Therefore, effective applications need to be selected based on the impacts that they have on traffic flow tailored to the geographic area. A major factor in the effectiveness evaluation of these signs is the compliance rate among travelers and the diversion influenced by motorist communications. Another factor which can influence motorist compliance are the installation details of these technologies, such as the vertical and longitudinal locations, size, font, color, light intensity, etc. Sign applications can also be influenced differently at various locations such as urban, suburban, and rural areas. These variables will need to be assessed qualitatively regarding the impacts of sign

applications on traffic based on location. Travel is required a part of the study with time at field and MDOT Operation Center locations.

## 2. RESEARCH OBJECTIVES

1. Develop a data driven methodology to assess the effectiveness of different digital message signs, message types and installation location.
2. Obtain better allocation of resources by investing in effective sign technologies for traffic improvement
3. Improve digital message sign operational practices in the state of Michigan

## 3. URGENCY AND IMPLEMENTATION BENEFIT TO MDOT

Based on the results of this research MDOT would update its DMS message and deployment guidelines.

Improved digital message sign operational practices in the state of Michigan and obtain a better allocation of resources by investing in effective sign technologies for traffic improvement. Users of this would include MDOT's four transportation operation centers, region traffic safety and operations staff and consultants designing these systems for MDOT.

## 4. RISKS OR OBSTACLES TO RESEARCH

Measurement of driver compliance.

## 5. DESIRED QUALIFICATIONS IN AN INVESTIGATOR(S)

Undergraduate degree in Statistics and working experience in statistical analyses

## **CONSULTANT RESPONSIBILITIES:**

1. Perform a state-of-the-practice review comparing MDOT's existing DMS message and deployment guidelines to identify best practice applications of digital message signs at other states and propose recommendations for guideline updates.
2. Collect data before and after installation of digital message signs at different locations to monitor traffic flow, evaluate effectiveness and public perception.
3. Develop a value matrix of message and sign type per geographic area (urban, suburban, and rural).
4. Study which sign type and message categories have the greatest influence on the driver compliance and could be automated to maximize their effectiveness.

Failure of any of the above will be found in noncompliance with the contract.

### **DELIVERABLES:**

1. Value matrix of message and sign type per geographic area.
2. Research paper based on state-of-the-practice study.
3. Data analysis of before and after digital message sign deployment studies.
4. Data analysis of driver compliance based on sign type and message content, which can provide a viable platform for message automation.

### **MDOT RESPONSIBILITIES:**

MDOT will assist in providing access to the latest DMS message and deployment guidelines, historical message types and deployments, and data outputs from MDOT's automated transportation management systems.

### **COORDINATION PROCEDURES**

Work will be completed in compliance with the Research Implementation Manual.

### **CONSULTANT PAYMENT**

All billings for services must be directed to the Department and follow the current Research Implementation Manual. This document contains instructions and forms that must be followed and used for billing. Payment may be delayed or decreased if the instructions are not followed.

Payment to the Consultant for services rendered shall not exceed the maximum amount unless an increase is approved in accordance with the contract with the Consultant.

Direct expenses, if applicable, will not be paid in excess of that allowed by the Department for its own employees in accordance with the State of Michigan's Standardized Travel Regulations. Supporting documentation must be submitted with the billing for all eligible expenses on the project in accordance with the Reimbursement Guidelines. The only hours that will be considered allowable charges for this contract are those that are directly attributable to the activities of this project.

The use of overtime hours is not acceptable unless prior written approval is granted by the MDOT project manager. Reimbursement for overtime hours that are allowed will be limited to time spent on this project in excess of forty hours per person per week. Any variations to this rule should be included in the priced proposal submitted by the Consultant and must have prior written approval by the MDOT project manager.

The basis of payment is Actual Costs for Universities and Actual Costs plus Fixed Fee for Consultants as defined in standard MDOT contracts.

## **PROPOSAL INFORMATION AND SCORING**

Formal proposals are required and shall include the information as outlined in these Guidelines. This section is the information required in the proposal that will be used to score the qualifications of each consultant's proposal. The section numbering correlates to the score sheet. Therefore, the consultant should format their proposals consistent with the outline provided.

### **1. UNDERSTANDING OF SERVICE: 40 POINTS**

Describe understanding of the service intended to be proposed. This information is to be based on the scope of services.

**Problem Statement and Background Summary-** demonstrates good understanding of problem, looks objectively at problem, specifies problem limits and restricts scope appropriately, and cites relevant literature.

**Research Plan-** cites specific objectives clearly, technical approach responds to all written and implied requirements, difficult areas are identified and details to overcome are given, represents novel idea or technical approach, plan is feasible, and effort is consistent with scope of problem.

**Products and Implementation-** proposal clearly defines products to be delivered at completion, includes practical, realistic implementation plan.

**MDOT Involvement-** MDOT involvement is not excessive and is clearly defined and quantified.

### **2. QUALIFICATIONS OF TEAM: 30 POINTS –**

Describe the structure of the project team including the roles of all key personnel and subcontractors. For each subcontractor describe role in service and include what percent of the task that the subcontractor is expected to provide. Provide résumés for each of the key staff of the prime and subcontractor.

**Facilities-** proposer has adequate access to equipment and/or laboratory required in study.

**Staffing-** personnel availability is clearly defined, shows a depth of qualified personnel, proposer has ability to manage a project of this size an sufficient resources to complete study, qualifications are directly related to the requirements of the project, plans for specific key personnel assignment included, and there is a reasonable balance between subcontractor and prime contractor.

**Statistical Qualification-** The required knowledge level for a research team in statistical analyses, if defined, will be in the RFP under the heading DESIRED QUALIFICATIONS IN AN INVESTIGATOR(S).

Proposals not documenting statistical training and experience levels required in the RFP may be classified as non-responsive.



**3. RELEVANT PAST PERFORMANCE: 30 POINTS**

Past performance project scores will be reviewed and/or past project references will be contacted.

**Record of past accomplishment-** proposer satisfactorily completed past projects, was cooperative and flexible, and ended past projects according to the original budget and time schedule.

**4. QUALITY ASSURANCE/QUALITY CONTROL (QAQC) PLAN: 5 POINTS**

The proposer provided an outline of a QA/QC process. The QA/QC Manager is experienced with MDOT standards and practices.

**5. LOCATION: 5 POINTS**

The percentage of work hours performed in Michigan will be used for all selections unless the project is for on-site inspection or survey activity. The combination of location and percentage of work performed in Michigan should not exceed 5 points.

Percentage of Work To Be Done in Michigan Score	
95% to 100%	5
80% to 94%	4
50% to 79%	3
25% to 49%	2
10% to 24%	1
Less than 10%	0

**6. PRICE: 40 POINTS**

Cost score is based on the lowest cost proposed divided by the current proposer cost multiplied by 40. Lowest bid shall receive 40 points.

**TOTAL POINTS: 150**

Research Proposal Budget Form Worksheet														
Project Title														
Research Organization														
Date														
										FY1	FY2	FY3	FY4	TOTAL
<b>SALARIES &amp; WAGES -- MUST COMPLY WITH OMB CIRCULAR A-21</b>														
Specify number of hours to be worked and hourly rate for each individual below: Examples of role of individual are Principal Investigator, Technician, Grad Student, etc. Annual wage increases must not exceed 2%														
(role of individual)														
Name of individual														
Enter FY	FY1 rate	FY1 hrs	FY2 rate	FY2 hrs	FY3 rate	FY3 hrs	FY4 rate	FY4 hrs						
rate & hrs									\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
(role of individual)														
Name of individual														
Enter FY	FY1 rate	FY1 hrs	FY2 rate	FY2 hrs	FY3 rate	FY3 hrs	FY4 rate	FY4 hrs						
rate & hrs									\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
(role of individual)														
Name of individual														
Enter FY	FY1 rate	FY1 hrs	FY2 rate	FY2 hrs	FY3 rate	FY3 hrs	FY4 rate	FY4 hrs						
rate & hrs									\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
(role of individual)														
Name of individual														
Enter FY	FY1 rate	FY1 hrs	FY2 rate	FY2 hrs	FY3 rate	FY3 hrs	FY4 rate	FY4 hrs						
rate & hrs									\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
(role of individual)														
Name of individual														
Enter FY	FY1 rate	FY1 hrs	FY2 rate	FY2 hrs	FY3 rate	FY3 hrs	FY4 rate	FY4 hrs						
rate & hrs									\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
(role of individual)														
Name of individual														
Enter FY	FY1 rate	FY1 hrs	FY2 rate	FY2 hrs	FY3 rate	FY3 hrs	FY4 rate	FY4 hrs						
rate & hrs									\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
(role of individual)														
Name of individual														
Enter FY	FY1 rate	FY1 hrs	FY2 rate	FY2 hrs	FY3 rate	FY3 hrs	FY4 rate	FY4 hrs						
rate & hrs									\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
(role of individual)														
Name of individual														
Enter FY	FY1 rate	FY1 hrs	FY2 rate	FY2 hrs	FY3 rate	FY3 hrs	FY4 rate	FY4 hrs						
rate & hrs									\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
<b>Sub-Total Salary &amp; Wages</b>										\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

FRINGE BENEFITS -- MUST COMPLY WITH OMB CIRCULAR A-21									
Indicate Employee, appropriate negotiated rate for each and description of who the rate applies to. ( e.g. - Sam Smith, 25%, Summer Faculty. The rate is negotiated between the university and it's cognizant agency									
Name									
(Rate Description)									
( % rate)	FY1	FY2	FY3	FY4	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Name									
(Rate Description)									
( % rate)	FY1	FY2	FY3	FY4	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Name									
(Rate Description)									
( % rate)	FY1	FY2	FY3	FY4	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Name									
(Rate Description)									
( % rate)	FY1	FY2	FY3	FY4	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Name									
(Rate Description)									
( % rate)	FY1	FY2	FY3	FY4	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Name									
(Rate Description)									
( % rate)	FY1	FY2	FY3	FY4	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Name									
(Rate Description)									
( % rate)	FY1	FY2	FY3	FY4	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Name									
(Rate Description)									
( % rate)	FY1	FY2	FY3	FY4	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Sub-Total Fringe Benefits					\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
SUBCONTRACTOR -- MUST COMPLY WITH OMB CIRCULAR A-21									
A copy of the subcontractor's budget must be attached. An MDOT approved subcontract is required for subcontractor costs in excess of \$25,000 prior to payment of invoices that contain subcontractor work. List all subcontractors on a separate line.									
Subcontractor Name & Amt.									\$0.00
Subcontractor Name & Amt.									\$0.00
Sub-Total Subcontractor					\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TRAVEL -- MUST COMPLY WITH OMB CIRCULAR A-21									
Must be in accordance with IDS contract requirements.									
In-State Travel (Destinations within Michigan)									
Provide a separate table itemizing costs.									\$0.00
Out-of-State Travel (Prior approval required)									
Provide a separate table itemizing costs.									\$0.00
Sub-Total Travel					\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

**SUPPLIES -- MUST COMPLY WITH OMB CIRCULAR A-21** (Few items not allowed are: computers, printers, monitors, fax machines, printer paper, toner cartridges, pens, pencils, legal pads, clips, rubber bands, post-it notes, books, notebooks, binders, folders, diskettes, postage stamps, chairs, office furniture, calendars, paper punches, business cards, staplers, waste cans, etc.)

Provide details if cost exceeds \$2,000. Individual line items in excess of \$1,000 require a detailed explanation regardless of total cost

(Description)						\$0.00
(Description)						\$0.00
(Description)						\$0.00
(Description)						\$0.00
(Description)						\$0.00
(Description)						\$0.00
(Description)						\$0.00
<b>Sub-Total Supplies</b>		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

**CAPITAL EQUIPMENT -- MUST COMPLY WITH OMB CIRCULAR A-21 - Purchased specifically for this project**

List items with a value in excess of \$500. Equipment in excess of \$5,000 requires prior approval.

(Description)						\$0.00
(Description)						\$0.00
(Description)						\$0.00
(Description)						\$0.00
(Description)						\$0.00
(Description)						\$0.00
(Description)						\$0.00
<b>Sub-Total Equipment</b>		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

**OTHER EXPENSES -- MUST COMPLY WITH OMB CIRCULAR A-21** (Few items not allowed are: memberships in professional & scientific organizations, local

telephone lines, cell phones, etc.) Any project expense which does not fall into another category. Provide detailed explanation of the expense and applicable breakdown of costs (e.g. graduate student tuition).

(Description)						\$0.00
(Description)						\$0.00
(Description)						\$0.00
(Description)						\$0.00
(Description)						\$0.00
<b>Sub-Total Other Expenses</b>		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

**Total Sub-Totals** \$0.00 \$0.00 \$0.00 \$0.00 \$0.00

**INDIRECT COSTS -- MUST COMPLY WITH OMB CIRCULAR A-21**

Indirect cost rates are negotiated between the university and it's cognizant agency. Indicate the type of negotiated indirect rate used and the percentage (e.g. On Campus Research, 52%)

(Type)		( % )								
	FY1	FY2	FY3	FY4						
Enter \$ Amt per FY						\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Total Indirect Costs</b>						\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

<b>TOTAL PROJECT COSTS</b>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>UNIVERSITY MATCHING FUNDS</b>					\$0.00
<b>TOTAL MDOT PROJECT COSTS</b>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00